

Cooling tower water  
Treatment

Meets § 19.09

MATERIAL SAFETY DATA SHEET  
emergency telephone 414-332-8440

Name: Alliance Group Inc Address: 600 East Keefe Avenue  
City: Milwaukee State: Wisconsin Zip: 53212  
Product name: Algicide 10-53  
Product code: 0152

Section II - Hazardous Ingredient

CAS Number	Chemical Component	%	TLV (ppm)	Hazard Data
142-59-6	Disodium ethylene bisdithiocarbamate	4.5		LD50-395 mg/kg
128-04-1	Sodium dimethyl- dithiocarbamate	4.5		LD50-1 gm/kg

Section III-Physical Data

Solid:      Liquid:  Appearance: light amber  
Specific Gravity: 1.04      Odor: ammonia odor  
Solubility in water: Complete      Freezing Point:  
% Volatiles: 0      pH: 11.6

Section IV - Fire and Explosive Data

Flash Point: >200F      Flammable Limits      lfl      ufl  
Extinguishing  
Media: CO2, water fog, dry chemical, foam

Special Fire Hazards and Equipment Required: Cool drums in vicinity  
of fire by water spray.

Section V- Reactive Hazards

Product      Hazardous      will not  
Stable: No      Yes       Polymerization: occur

Conditions to avoid: Extreme heat

Incompatibility: Strong acids and oxidizing agents

Hazardous Decomposition Products: H2S, CO, CO2, Nitrogen Oxides, CS2

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**Section VI - Health Hazards**

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*Eyes: Irritation*

*Skin: Irritation*

*Ingestion: Harmful if swallowed. Oral LD50 on NABAM is 395 mg/kg on sodan 1g/kg.*

*Inhalation: Not known*

*Principal Routes of Exposure: Topical*

*Acute effects of Overexposure: See above*

*Chronic Effects of Overexposure: Not known*

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*First Aid Procedure—Never give fluids or induce vomiting if patient is unconscious or having convulsions.  
CALL A PHYSICIAN*

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*Eyes: IMMEDIATELY flush with plenty of cool water for at least 15 minutes. Seek immediate medical attention.*

*Skin: Flush with plenty of water. Wash contaminated clothing before re-use. Discard contaminated footwear.*

*Ingestion: Give victim large quantities of milk or water. Induce vomiting. Get medical attention immediately.*

*Inhalation: Remove to fresh air; obtain immediate medical attention. If breathing is labored, administer oxygen if available.*

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**Section VII - Normal Handling Procedures**

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*Precautions to be taken in Handling and Storage: Keep container tightly closed when not in use. Store in a cool, dry, secure place away from open flames.*

*Protective Equipment:*

*Eyes: Face shield and chemical goggles*

*Gloves: Rubber*

*Other: Rubber apron, gauntlets, eye wash, safety shower*

*Ventilation Requirements: Local ventilation exhaust*

*Corrosive Action on Materials: Mild*

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**Section VIII- Spill or Leak Control Procedures**

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*Steps to be taken in case of spills: Use protective gear (Sec VII)  
Collect all spilled material and place in labeled, approved containers*

for disposal. Do not flush to open sewer or water courses.

Waste disposal methods: Contact local environmental authorities.

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The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made. Date: March 14, 1986 By: D.C. Miller